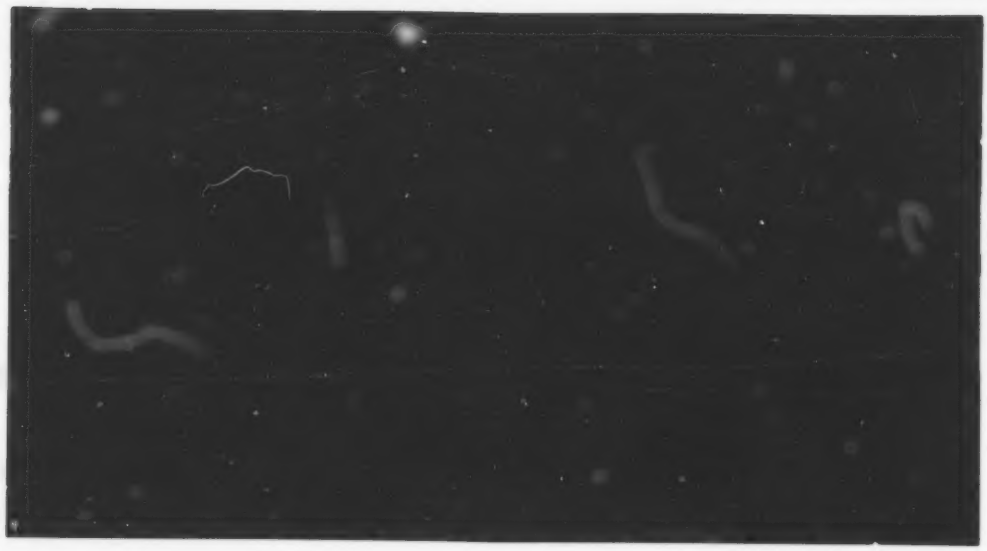

Circumpolar and Scientific Affairs

Canada

CANA[illegible] NORTHERN STATIONS

A DIRECTORY OF CANADIAN NORTHERN FIELD RESEARCH STATIONS 1991

92-03

Peter Adams

January 1992

FOREWORD

This report is an update of Canada's Northern Stations (Campbell and Adams, 1986). Its objectives are to increase the awareness and ensure the effective and efficient use of Canadian northern field research stations. As the number of research projects being carried out in the Arctic is steadily increasing, current information is needed in order to maximize the use of existing facilities rather than setting up expensive temporary bases. This, in the long term, will hopefully minimize the environmental impacts of field research on the sensitive northern ecosystems.

The report includes a bibliography of selected publications pertaining to Arctic research stations and to Arctic research, station location map, and general information sheets on each station.

A number of stations which have closed in recent years are listed. This was done to draw attention to the physical facilities that exist and to the literature based on work conducted from these stations. Potential users should note that they cannot expect support at these stations.

The author would like to acknowledge the individuals and organizations who responded to his request for information. I would also like to acknowledge the Association of Canadian Universities for Northern Studies for their continued interest and encouragement. Special thanks to Steve Gardiner for his cartography and Janice Lang for her assistance, Trent University. The support given by the Circumpolar and Scientific Affairs Directorate, Department of Indian Affairs and Northern Development, Les Terrasses de la Chaudière, Ottawa, Ontario, K1A 0H4, is also greatly appreciated.

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INTRODUCTION

Northern field stations in Canada play an important role in polar research. They form a logistically simple base and often provide a useful source of data and literature for scientists and students.

Since the publication of Campbell and Adams (1986), a number changes have occurred to the northern research support facility infrastructure. For example, the Arctic Research Establishment facilities on Baffin Island has been transferred to the local communities. The responsibility for managing and maintaining the research facilities at Inuvik, Igloolik and Iqaluit, along with associated fieldcamps have been transferred from the federal government to the Science Institute of the Northwest Territories (SINT). Descriptions of these stations appear in SINT's Handbook for Research in the Northwest Territories (1991).This handbook is a must for researchers working in the N.W.T., as various licences and permits are required.

Other recommended readings for northern researchers include the Yukon's Application for License brochure, Polar Continental Shelf Project's guide Licences and Permits for Scientific Research in the Canadian Arctic (1990), and the Association of Canadian Universities for Northern Studies' (ACUNS) guide Licences and Permits for Scientific Research in the Northern Regions of the Provinces (1990). Furthermore, northern researchers should be familiar with ACUNS' guide Ethical Principles for the Conduct of Research in the North (1982).

Adams (1988) cites a number of publications describing the research conducted from various field stations. Information regarding work undertaken at particular stations can also be found in publications such as Sherstone (1986) and Mackay and Dyke (1990), for the SINT stations; Parker and Johnson (1991), for the Chitty Lake and Nauyuk Stations; and Boivin et al. (1990) and Nakashima et al. (1982), for the Kuujjuaq Research Centre. Publications such as Jackson (1989), Labrador Institute of Northern Studies (1991) and Williams (1991) contain descriptions of field stations and the research which stems from them. Current high Arctic research projects are described in a series of reports published by the Polar Continental Shelf Project (Hobson and Voyce, 1989).

The magnitude and diversity of student research activities in the North are reflected in numerous publications such as Finkler (1985), Kupsch and Basinger (1988), Northern Scientific Training Program (1990) and Rowley (1988). Many of the students listed in these publications benefited from the use of northern field stations.

To keep the information on research facilities as current as possible, the author would appreciate receiving any comments, updated field station information or information on field stations which are not listed.

TABLE 1. CANADA'S NORTHERN FIELD STATIONS, 1991

		Type	Man	Hab	Aff	Acm	Fac	Avb	Page[1]
Northwest Territories									
1	Adams Island, 74N, 81W (A.R.E.[2])	II	F,C	O,I,G	N	1	1	2	6
2	Alexandra Fiord Post (R.C.M.P.), 79N, 76W	II	G	T	P,U	1	2	1	7
3	Arctic Biological Station — Field Camp, 64N, 69W	I	F	O	F	1	1	0	8
4	Arctic Research Establishment, 73N, 78W	I	C	O,T	N	0	3	2	9
5	Borden Station, (Siuralik) 74N, 81W (A.R.E.[2])	I	F,C	O,T	F,N	1	2	2	10
6	Chitty Lake Field Station, 61N, 114W	II	F	W,B	F	1	1	2	11
7	Coates Island, 63N, 83W	II	W	T	P	1	1	3	13
8	Devon Island Research Station, 76N, 85W	II	G	T	U	2	1	3	14
9	Eskimo Point Arctic Research Centre, 61N, 94W	II	G	O,T	U	2	2	3	15
10	Eureka Aerological Station, 80N, 86W	I	O	T	F	1	1	2	16
11	Ice Island Res. St.(PCSP), 79°46'N, 101.54W (6.6.91)	II	F,E,C	I,O	F	1	3	2	17
12	Igloolik Research Centre, 69N, 82W	I	G	O,T	T	2	3	3	18
13	Iqaluit Research Centre, 64N, 69W	I	G	T,O	T	2	3	3	21
14	Inuvik Research Centre 68N, 134W	I	G	T	T	3	3	3	20
15	McGill Axel Heiberg Station, 79N, 91W	II	E	G	U	1	1	2	27
16	Mould Bay Aerological Station, 76N, 119W	I	O	T	F	1	1	2	30
17	Nauyuk Lake Field Station, 68N, 108W	II	F	W,T	F	2	1	1	31
18	Nunguvik Arctic Centennial Station, 74N, 81W	II	C	O,T	N	1	1	2	32
19	Pearce Point Field Station, 70N, 123W	II	G	T	T	2	2	3	33
20	Polar Bear Pass High Arctic Research Stn., 76N, 98W	II(I)	W	T	F	1	2	2	34
21	Resolute (PCSP) Base 75N, 95W	II	G	T	F	3	3	3	36
22	Resolute Marine Laboratory 75N, 95W	II	F	W,O	F		3	3	37
23	Saqvaqjuac Field Station, 64N, 91W	II	F	O	F	2	2	2	38
24	Sarcpa Lake Field Station, 69N, 83W	II	G	T	T	2	2	3	39
25	Tuktoyaktuk Base (PCSP), 69N, 133W	II	G	T,W	F	3	3	3	41
26	Tuktoyaktuk Field Station, 69N, 133W	II(I)	F	W,O	F	1	2	2	42
Yukon Territory									
27	Kluane Lake Research Station, 61N, 139W	I	G	B,T	U	3	3	3	22
Newfoundland/Labrador									
28	Labrador Institute of Northern Studies, 53N, 60W	I	G	M,W,B	U	0	3	2	26
Quebec									
29	Kuujjuaq Research Centre, 58N, 68W	I	F,W,H	B,T	N	0	3	2	23
30	Kuujjuaq Research Station, 58N, 68W	II	G	F,T	U	2	1	0	24
31	Kuujjuarapik Research Station, 55N, 78W	I	G	F,T	U	3	1	3	25
32	McGill Subarctic Research Station, 55N, 67W	I	G	B,T	U	3	2	3	28
Manitoba									
33	Churchill Northern Studies Centre, 58N, 94W	I	G	B,T	O	3	3	3	12
34	Institute of Arctic Ecophysiology, 58N, 94W	I	G	O,W,T	U	0	2	3	19
35	Queen's University, Tundra Biological Station, 59N, 93W	II	G	T	U	2	1	3	35
36	Southern Indian Lake Research Station, 56N, 98W	I	F	W,B	F	3	2	0	40
Saskatchewan									
37	Cree Lake Weather Station, 57N, 107W	I	O	F,B	F	1	1	2	
Alberta									
38	Mildred Lake Environmental Research Camp, 57N, 111W	I	C	B	P	3	2	0	29

[1]Addresses from page indicated in Adams (1992), Circumpolar and Scientific Affairs (92-03)
[2]A.R.E. = Arctic Research Establishment.
Type (Typ): I = year-round teaching and/or research.
II = seasonal teaching and/or research.
Mandate (Man): F = fisheries, W = wildlife, E = earth sciences, H = human sciences, C = physical/chemical, G = general, O = other.
Habitat (Hab): O = marine, W = freshwater, F = forest, B = boreal, T = tundra, I = island, G = glacial.
Accommodation (ACM): 0=not available, 1=I-10, 2=II-20, 3=greater than 20.
Affiliation (Aff): F = federal, P = provincial, T = territorial, U = university, N = native organization, O = other.
Facilities (Fac): O = not available, I = minimal, 2 = fair, 3 = extensive.
Availability (Avb): O = closed, I = restricted, 2 = open with some restrictions, 3 = open.

TABLE 2. CABINS AND BASIC FACILITIES MAINTAINED BY CANADIAN WILDLIFE SERVICE AND GOVERNMENT OF THE N.W.T., 1991

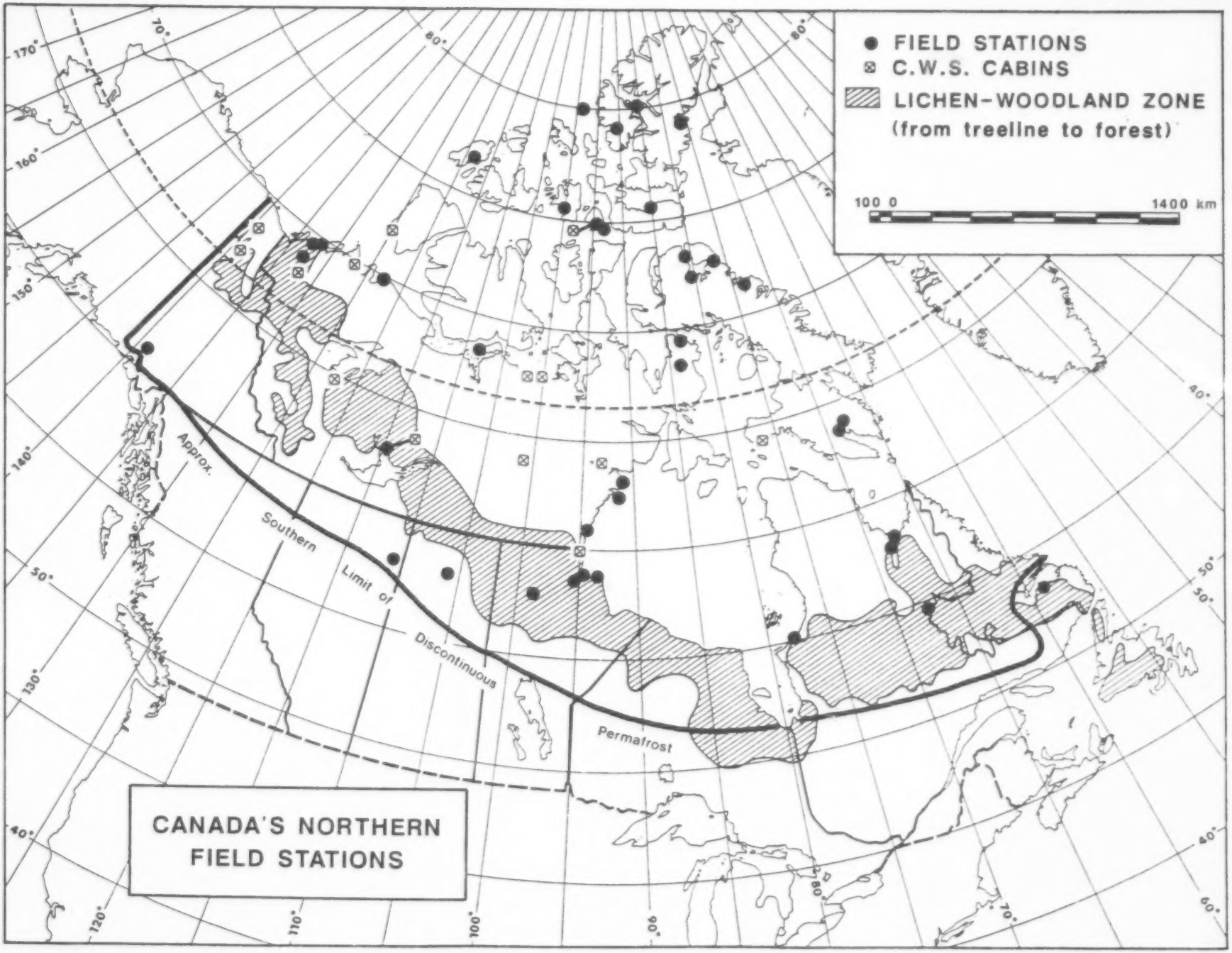
(see section at end of report)

NORTHWEST TERRITORIES (NWT)

Name/locations/latitute-longitude		Page No.
1.	Aberdeen Lake, Aberdeen Lake N.W.T., 64°30'N/94°00'W	44
2.	Anderson River, right bank up from mouth, 69°43'N/129°00'W	45
3.	Cape Dorset, Baffin Island, 64°14'N/76°32'W	45
4.	Jackfish Creek, south of Inuvik, 67°80'N/134°00'W	45
5.	Karrack Lake, Island in Queen Maud Gulf Sanctuary, 67°13'N/100°15'W	46
6.	Keele River, downstream of Twitya River, 64°25'N/124°48'W	44
7.	Lookout Point, Thelon/Finnie Rivers, 64°9'N/102°32'W	44
8.	McConnell River Delta, south mouth branch, 60°49'N/94°25'W	46
9.	Perry River Delta, across from Winter Island, 67°48'N/102°33'w	45
10.	Resolute Bay, Cornwallis Island, 74°15'N/94°50'W	44
11.	Sachs Harbour, Thesiger Bay, Banks Island, 71°59'N/125°14'W	45
12.	Yellowknife, in town, 62°30'N/114°30'W	45

YUKON TERRITORY (YT)

Name/location/latitute-longitude		
1.	Old Crow, 67°50'N/134°30'W	46
2.	Old Crow Flats, Shaefer Lake, 68°5'N/139°45'W	44


FIELD STATIONS
C.W.S. CABINS
LICHEN-WOODLAND ZONE
(from treeline to forest)
100 0
1400 km
Approx.
Southern
Limit of
Discontinuous
Permafrost
CANADA'S NORTHERN
FIELD STATIONS

CANADIAN NORTHERN FIELD STATIONS - GENERAL INFORMATION
(alphabetical order)

NAME: Adams Island (Tujuk)

LOCATION: North Borden Peninsula, Baffin Island, NWT
73°44'N/81°30'W

AFFILIATION: Private, community-based

CONTACT: Geesoonie Killiktee
Arctic Research Establishment
Pond Inlet, N.W.T. X0A 0S0
(819) 899-8823

MANDATE: To conduct oceanographic research year round and environmental monitoring.

STATION INFORMATION: Fully insulated cottage, sleeping two, with provisions for cooking. Excellent observation location on the main migration route of all marine mammals moving east and west through the southern part of Lancaster Sound, as well as for iceberg movement, sea ice and other studies.

HABITAT/ENVIRONMENTAL SETTING: Island located in the southeastern part of Lancaster Sound.

PUBLICATIONS: Various technical papers and reports, environmental background data.

RECENT PROJECTS/CURRENT RESEARCH: Physical, chemical and biological, oceanography, meteorology, ice physics research.

AVAILABILITY/RESTRICTIONS: Open by prior arrangement to outside researchers whose projects fall within the essential framework of the Arctic Research Establishment.

ACCESS: via boat from Borden Station or via helicopter.

NAME: Alexandra Fiord Post (R.C.M.P.)

LOCATION: Alexandra Fiord, Ellesmere Island, N.W.T. 78°53'N/75°48'W

AFFILIATION: Owned by the Royal Canadian Mounted Police, but made available to university researchers with appropriate permits and advance notice.

CONTACT: R.C.M.P. Headquarters, Yellowknife, N.W.T.
(403) 920-8314

MANDATE: Ecology of High Arctic lowlands (oasis).

STATION INFORMATION: There are two main buildings, one with a kitchen and two bedrooms, the other providing a laboratory and another bedroom. In addition there are three small outbuildings; a food storage building, a workshop, and a fuel storage shed. There is heating but no power. The station is supported by the Polar Continental Shelf Project of Energy, Mines and Resources, Canada. There is a landing strip large enough to accommodate Twin Otter aircraft. There is no charge for use of these facilities. The station is only available during the summer months.

HABITAT/ENVIRONMENTAL SETTING: The site is a vegetated lowland, termed an Arctic oasis, as it is very lush in contrast to the surrounding High Arctic desert. There are more than 90 species of vascular plants but the site is rather poor in wildlife.

PUBLICATIONS:

Papers	-	7 + several pending
Reports	-	2
Theses	-	13

RECENT PROJECTS/CURRENT RESEARCH: Ecology of Arctic lowlands: insect ecology, botanical ecology, also climatology, geomorphology and archaeology.

AVAILABILITY/RESTRICTIONS: Open to interested researchers as space permits.

NAME: Arctic Biological Station - Field Camp

LOCATION: Frobisher Bay, Baffin Island, N.W.T.,
63°45'N/68°32'W

AFFILIATION: Department of Fisheries and Oceans

CONTACT: J.A. Percy
Arctic Biological Station
Biological Oceanography Group
Department of Fisheries and Oceans
Ste. Anne de Bellevue, Québec
(514) 457-3660

MANDATE: High Arctic marine research

STATION INFORMATION: This is a small facility providing support and access for arctic research. On site are four buildings which include accomodation for up to four persons, wet labs and storage totalling 197m^2. There is a freighter canoe (24') as well.

HABITAT/ENVIRONMENTAL SETTING: High Arctic marine habitat

PUBLICATIONS: Numerous since 1967

RECENT PROJECTS/CURRENT RESEARCH: Ecological approach stressing the role of bacteria in carbon cycling in the sea, primary marine plant production and its controls and the relevance of the secondary marine producers, both planktonic and benthic, to the resource species (fishes, seals and whales). Has seen only minimal use in the last 4 years. In view of the impending closure of the Arctic Biological Station (by March 31st 1992) the future of this field station is uncertain.

AVAILABILITY/RESTRICTIONS: Visitors not encouraged except for those whose work ties in very closely with that of the Department of Fisheries and Oceans.

NAME: Arctic Research Establishment

LOCATION: Pond Inlet, Baffin Island, N.W.T.
72°42'N/77°59'W

AFFILIATION: Private, community-based, established 1972

CONTACT: Geesoonie Killiktee
Arctic Research Establishment
Pond Inlet, N.W.T. X0A 0S0
(819) 899-8823

MANDATE: To conduct oceanographic and environmental monitoring and research year round.

STATION INFORMATION: The station provides workshops and laboratories, equipment, native technicians, storage, and carries out scientific programmes, especially physical oceanography. There is a staff house, laboratory/workshop, emergency heated accommodation trailer, unheated storage, machine repair shop. There is full instrumentation; such as desktop computers with peripherals, word processors, analog recording instruments, salinometry equipment, DO and pH equipment, radiometry equipment etc.; portable field units, generators, vehicles, boats and outboard motors, etc. Accommodation for visitors is available through the Toonoonik/Sahoonik Co-op Hotel. The station also operates three outer field camps; Borden Station, Adams Island and the Nunguvik Arctic Centennial Station.

HABITAT/ENVIRONMENTAL SETTING: High Arctic tundra

PUBLICATIONS: Various technical papers and reports and background data.

RECENT PROJECTS/CURRENT RESEARCH: Physical, chemical and biological studies, oceanography, meteorology, ice physics and radar research. The station is heavily used for projects run by AES, NRC, OSS and the Arctic Biological Station.

AVAILABILITY/RESTRICTIONS: Open by prior arrangement to outside researchers whose projects fall within the essential framework of the Arctic Research Establishment. Available year round.

NAME: Borden Station (Siuralik)

LOCATION: Lancaster Sound/Navy Board Inlet, Baffin Island, NWT
Borden Peninsula, N.W.T.
73°43'N/81°31'W

AFFILIATION: Department of Fisheries and Oceans but operated as a field station by the Arctic Research Establishment (A.R.E.)

CONTACT: Geesoonie Killiktee
Arctic Research Establishment
Pond Inlet, N.W.T. X0A 0S0
(819) 899-8823

MANDATE: To conduct oceanographic research and environmental monitoring year round.

STATION INFORMATION: The station consists of four buildings; the radar house, accommodating seven people; the cooking house, with eating section. The crew house sleeps four; generators and maintenance shop with snowmobile maintenance annex. A.R.E. also maintains an inventory of logistical support items there, such as a boat and portable generators. The station is served by two landing strips; 30 x 330m in one direction and 30 x 270m in a cross direction. Standard surface weather instrumentation and recorders are installed. A third landing strip was established 1/2 mile south of the station, to be used under rainy and wet conditions by Twin Otter.

HABITAT/ENVIRONMENTAL SETTING: Coastal marine location in the High Arctic tundra.

PUBLICATIONS: Various technical papers and reports on environmental background.

RECENT PROJECTS/CURRENT RESEARCH: Physical, chemical and biological, oceanographic, meteorology, ice physics research.

AVAILABILITY/RESTRICTIONS: Open by prior arrangement to researchers whose projects fall within the essential framework of the Arctic Research Establishment. Available year round.

NAME: Chitty Lake Field Station

LOCATION: 20km NNE Yellowknife, N.W.T.
60°42'N/114°07'W

AFFILIATION: Department of Fisheries and Oceans

CONTACT: E.C. Gyselman
Freshwater Institute
Department of Fisheries and Oceans
501 University Cr.
Winnipeg, Manitoba
R3T 2N6
(204) 949-5285

MANDATE: Study of whitefish populations as they relate to inland commercial fisheries.

STATION INFORMATION: The station is located near four lakes which are used for experimental research. There is one log cabin, a workshop, and various out buildings. There is limited electrical power, and access to boats. Accommodation for four is available including cooking facilities.

HABITAT/ENVIRONMENTAL SETTING: Boreal forest

PUBLICATIONS: Many

RECENT PROJECTS/CURRENT RESEARCH: Whitefish growth and population studies

AVAILABILITY/RESTRICTIONS: The station is available subject to approval.

NAME: Churchill Northern Studies Centre

LOCATION: Rocket Range, 15km from Churchill, Manitoba
58°44'N/93°49'W;

AFFILIATION: Private - Non profit

CONTACT: Janet Miller, Manager
Box 610, Churchill, Manitoba
R0B 0E0
(204) 675-2307

MANDATE: To provide researchers, students and instructors with accommodation, logistical support and a resource base in order to facilitate research and education in Canada's north.

STATION INFORMATION: The centre has accommodation for up to 75 people in one building plus three independent houses. The houses are closed in winter. There are two laboratories with water, propane and gas outlets, electricity, and storage. There is also a library, herbarium, seminar room, and a classroom. There is an airport transfer service, and charter flights can be arranged. There is extensive storage-warm and cold, and freezer compartments. Communications include telephone, FAX and base radio. Staff includes one full-time and two part-time people. Costs for using the facility are as follows: including meals, $41/day, $37/day after one week, $33/day after a month; without meals, $16/day.

HABITAT/ENVIRONMENTAL SETTING: Transition zone between boreal forest and arctic tundra; near the mouth of the Churchill River on Hudson Bay, encompasses arctic marine and freshwater environments.

PUBLICATIONS: Eight papers, twelve theses and seven reports.

RECENT PROJECTS/CURRENT RESEARCH: Studies have included studies of ornithology, mammalogy, invertebrate zoology, botany, ecology, permafrost, climatology and earth sciences. The Centre sponsors an Arctic field course program in cooperation with several Canadian universities. Four to six credit courses are offered each summer. Non-credit courses and unaffiliated credit courses are also being offered regularly.

AVAILABILITY/RESTRICTIONS: Open for research and teaching year round.

NAME: Coates Island Camp

LOCATION: On Coates Island, Hudson Bay, NWT - 480 km east of Rankin Inlet

AFFILIATION: Government of Northwest Territories

CONTACT: Gord Steinhouse
Department of Renewable Resources
Government of Northwest Territories
Rankin Inlet, N.W.T.
(819) 645-2833

MANDATE: Caribou studies

STATION INFORMATION: The field camp consists of three interconnected buildings. A kitchen, sleeping area, and a garage/work area. The camp at present has heaters, stoves, lamps, bunks and miscellaneous gear. Interested researchers would have to take in food, fuel and personal equipment. Radio contact is always maintained with camp users and the Government office in Rankin Inlet. A gravel esker allows Twin Otter/Stol aircraft to land adjacent to the camp. The only costs associated with the camp are logistical ones. The camp is staffed by three seasonal employees. (This information was not updated in 1991.)

HABITAT/ENVIRONMENTAL SETTING: High Arctic tundra, flat with raised beaches, sedge meadows and limited flora and fauna.

PUBLICATIONS: None at present

RECENT PROJECTS/CURRENT RESEARCH: Caribou ecology.

AVAILABILITY/RESTRICTIONS: The camp is open through the summer months and is open to outside researchers.

NAME: Devon Island Research Station

LOCATION: Truelove Inlet
NE Coast of Devon Island, N.W.T.
75°47'N/84°33'W

AFFILIATION: The Arctic Institute of North America
University of Calgary

CONTACT: Mr. G.J. Thompson
Arctic Institute of North America
University of Calgary,
11th Floor Library Tower,
2500 University Drive N.W.
Calgary, Albert T2N 1N4
(403) 220-7515

MANDATE: To provide scientists with a permanent base from which to conduct "long term, detailed, integrated observations in several scientific fields".

STATION INFORMATION: The stations facilities consist of three Parcoll huts, two Jamesway huts and one fiberglass igloo supplemented by tents as necessary which are used for laboratory space, workshops, kitchen facilities, and sleeping quarters for fifteen comfortably. There is a building used for H/F radio communications and power is supplied by diesel generators. There are four snowmobiles, a Ranger vehicle and trailer, tools, staples and limited fuel. A marked landing strip is on site suitable for STOL type aircraft up to Twin Otter size. Logistical support through the Polar Continental Shelf Project, Energy, Mines and Resources, Canada, can be applied for. The station was an International Biological Programme (IBP) high Arctic study site. Researcher fees $36 per day, adjusted annually.

HABITAT/ENVIRONMENTAL SETTING: Moist, rich vegetative community typical of localized lowlands across the Arctic. Surrounding uplands are typical of polar desert communities, and the nearby icecap is typical of high latitude glaciers.

PUBLICATIONS: Papers - in excess of 73
Theses - in excess of 17

RECENT PROJECTS/CURRENT RESEARCH: Ice cap studies, glacial movements, geology, algal primary productivity, chlorophyll content of ice, muskoxen, chironomids, archaeological studies, breeding of lapland longspurs, ecology of saxifrages, lemming/fox studies, soil bacteria dynamics, crude oil degradation, nitrogen fixation, bird census and densities.

AVAILABILITY/RESTRICTIONS: Available through the summer months to qualified university, government and industry researchers.

NAME: Eskimo Point Arctic Research Centre

LOCATION: Eskimo Point, N.W.T.
61°06'N/93°59'W

AFFILIATION: Department of Biology, Laurentian University

CONTACT: Dr. Frank Mallory
Department of Biology
Laurentian University
Sudbury, Ontario P3E 2C6
(705) 675-1151

MANDATE: Field station for Arctic researchers.

STATION INFORMATION: The station is normally open May through September beginning in 1987. There is a kitchen and dining area, a general laboratory, a laundry room and has accommodation for sixteen people. Costs for accommodation excluding food are available at present, and each person will be responsible for their own food and its preparation. Inuit guides and research assistants are readily available for hire.

HABITAT/ENVIRONMENTAL SETTING: Arctic tundra with a coastal marine component.

PUBLICATIONS: None as of yt.

RECENT PROJECTS/CURRENT RESEARCH: Current projects include ecological studies of small mammals, arctic fox and wolves.

AVAILABILITY/RESTRICTIONS: The stationn was dormant in 1991. Interested persons should contact Dr. Mallory.

NAME: Eureka Aerological Station

LOCATION: Ellesmere Island, N.W.T.
80°00'N/85°56'W

AFFILIATION: Atmospheric Environment Service, Environment Canada

CONTACT: D.L. Stossel, Senior Advisor Polar Affairs
AES Central Region
266 Graham Avenue, Room 1000
10th floor
Winnipeg, Manitoba, R3C 3V4
TELEPHONE (204) 983-4933 FAX (204) 983-0109

MANDATE: To provide information, 24 hours a day, on prevailing atmospheric weather conditions.

STATION INFORMATION: This is an upper air operations installation with staff quarters. There is limited accommodation, maximum 18 transients, and work space, an ancillary building for heavy equipment, light and power, and available (though restricted) water. There is a landing strip suitable for aircraft up to Hercules in size. There are eleven permanent staff members. The following fee scale for usage in 1991/92 at AES Eureka is:

		Canadian Government	Non-Government
1.	Meals - American Plan - Daily	55.00	90.00
	(Prorated for day of arrival/departure)		
	- Breakfast	11.00	18.00
	- Lunch	19.00	32.00
	- Dinner	25.00	40.00
	- Box Lunch	15.00	15.00
2.	Accommodation:		
	- All Transients (per day/per bed)	60.00	110.00
	- Transient Bldg #16 (Full Barracks/per day)	550.00	1,000.00
3.	Prices are available for vehicles, hydro, aviation, gas, local labour and trasportation from other locations. Goods and Services Tax is added for all non-government users.		

It should be noted that AES, also has stations at Resolute, Hall Beach, Alert, Baker Lake and Coral Harbour that while not being able to accommodate researchers, station personnel will act as gatherers of information should they possess the capabilities to do so.

HABITAT/ENVIRONMENTAL SETTING: High Arctic tundra

PUBLICATIONS:

RECENT PROJECTS/CURRENT RESEARCH: Sea ice observations and research, Arctic snow characteristics, atmospheric refraction, solar radiation permafrost studies.

AVAILABILITY/RESTRICTIONS: Open to researchers, but advanced arrangements are necessary, and a working agreement must be drawn up with AES commencing with an official visitor permit. Station is run 24 hours a day, year-round.

NAME: Ice Island Research Station (PCSP)

LOCATION: Arctic Ocean at the mouth of the Peary Channel east of Ellef Ringnes Island, N.W.T. position as of 6 May 1991 was 79°464'N/101°543'W).

AFFILIATION: Department of Energy, Mines and Resources
Polar Continental Shelf Project

CONTACT: Bonni Hrycyk, Acting Director
Polar Continental Shelf Project
344 Wellington Street, 6th Floor
Ottawa, Ontario K1A 0E4
(613) 990-1505

MANDATE: To provide logistics support to scientific investigations in an Arctic environment. Is unique in that no one else provides such support and expertise, from an ice platform, in Canada.

BASE INFORMATION: The station provides accommodation and working space in wooden buildings as well as in large canvas/nylon parcolls. There are garage and storage facilities, radio, limited lab facilities, and electrical power. The island is served by a landing strip that can handle planes as large as a Hawker-Siddeley 748 or a Hercules.

HABITAT/ENVIRONMENTAL SETTING: Rare freshwater ice island fringed by permanent polar ice.

PUBLICATIONS: The Polar Continental Shelf Project since its inception in 1958 has generated more than 1300 papers, reports and studies. Bibliographies are available and a number of papers on the ice island itself are also available.

RECENT PROJECTS/CURRENT RESEARCH: Diverse array of research has been conducted from the island.

AVAILABILITY/RESTRICTIONS: Availability is generally March to late September, and is open to outside researchers pending review and approval of projects and logistics feasibility.

NAME: Igloolik Research Centre

LOCATION: Igloolik, NE Melville Peninsula, N.W.T.
69°23'N/81°48'W

AFFILIATION: Science Institute of the Northwest Territories

CONTACT: The Manager, Igloolik Research Centre, Igloolik, N.W.T. X0A 0L0
Telephone (819) 934-8836
FAX (819) 934-8792

MANDATE: To provide support facilities for the conduct of scientific research in the Foxe Basin - North Baffin Region of the N.W.T.. To provide technical and logistic support of long term data collection and research with external scientists, to keep the public informed on northern scientific research and to make northern science and research more responsive to the needs and concerns of northerners.

STATION INFORMATION: The centre has a library, laboratory space and accommodations for up to twenty visiting researchers. There is also a workshop and a garage. The laboratory contains such basic instrumentation as industrial, clinical and analytic balances, research microscopes, centrifuge, drying oven, spectrophotometers with recorder, voltage regulators, and a distilling unit. There is also a dark room. Cold storage facilities are available. Major equipment includes computers, meteorological, and seismological instruments. There is assorted office equipment and two H/F radio transceivers. The Centre has a permanent staff of three is open year-round.

HABITAT/ENVIRONMENTAL SETTING: Arctic tundra and coastal marine.

PUBLICATIONS: Numerous papers, reports and theses by visiting researchers.

RECENT PROJECTS/CURRENT RESEARCH: Seismological and climatological data collection, Inuktitut linguistic studies, Inuit traditions and oral history, walrus studies, Arctic botany and ornithology, archaeological work on Igloolik Island.

AVAILABILITY/RESTRICTIONS: The station is open year round to researchers in possession of a N.W.T. scientist's licence.

NAME: Institute of Arctic Ecophysiology (Note: this is 1985 information, no response in 1991)

LOCATION: 8 km out of the Town of Churchill, Manitoba approx. 58°47'N/94°11'W

AFFILIATION: University of Manitoba, University of Oslo, Laurentian University

CONTACT: Ms. Barbara Draper
Project Development Officer
P.O. Box 1028
Churchill, Manitoba R0B 0E0
(204) 675-2131

MANDATE: To conduct long term ecological studies on Arctic wildlife and educate students and the general public about the Arctic.

STATION INFORMATION: The Institute presently consists of one staff house, a laboratory facility set up to conduct large and small animal physiology studies (large and small cages, treadmill, simulated dens) and a small library.The summer of 1986 saw the completion of kitchen and accommodation facilities suitable for up to thirty people. The Institute is staffed by one technician and two full-time volunteers during the winter and up to ten paid staff members during the summer months. The Institute is open year round.

HABITAT/ENVIRONMENTAL SETTING: Arctic tundra, taiga and tidal marine with a freshwater input.

PUBLICATIONS: Produced 7 graduate theses with 2 more in progress, and published over 30 scientific articles with 15 in preparation.

RECENT PROJECTS/CURRENT RESEARCH: Includes two long term ecological studies on the beluga whale and the raven; two projects dealing with bioconcentration of metals and minerals in non-polluted environments, and the population cycles of small mammals and overwintering birds in the Churchill region. The Institute also offers summer and winter volunteer research programmes as well as a partially funded winter research programme.

AVAILABILITY/RESTRICTIONS: The Institute is open to cooperative projects with Institute resident staff and honorary members presently affiliated with University of Ottawa, University of Toronto, and the University of Oslo.

NAME: Inuvik Research Centre

LOCATION: Inuvik N.W.T.
68°25'N/133°30'W

AFFILIATION: Science Institute of the Northwest Territories

CONTACT: The Manager
Inuvik Research Centre
P.O. Box 1430
Inuvik, N.W.T. X0E 0T0
(403) 979-3838
FAX (403) 979-3570

MANDATE: To provide support facilities for the conduct of scientific research in the western Arctic. To provide technical and logistic support of long term data collection and research with external scientists,, to keep the public informed on northern scientific research and to make northern science and research more responsive to the needs and concerns of northerners.

STATION INFORMATION: The station, located near the centre of Inuvik, has four 6 x 6m laboratories, each with benches, water, gas, air, vacuum, fume hood. There is a chemistry laboratory, a soils laboratory, a biological laboratory and a general laboratory. There is a fifth 6 x 6m, dissection room, a darkroom, 6 x 6m workshop, four 6 x 3.6m, offices for visiting scientists, a conference room with capacity for fourty, a library/reading room, shipping room and storage area, a 3 x 3.6m freezer, 5 x 6.7m greenhouse and other specialized facilities. There are three row houses capable of sleeping eight persons each. There are three permanent staff members at this centre which is open year-round.

HABITAT/ENVIRONMENTAL SETTING: Situated on the treeline, with boreal forest to the south and tundra to the north, the Canadian Shield to the east and the Mackenzie Delta to the West. The Arctic coast, with Mackenzie Bay and the Beaufort Sea, are just 100km. to the north, and across the Mackenzie Delta are the Richardson Mountains.

PUBLICATIONS: A Bibliography of Research Publications, 1964-85 is available with an update in progress. Numerous scientific reports, papers, books, etc., by visiting researchers.

RECENT PROJECTS/CURRENT RESEARCH: SINT Research Report No. 1, that is entitled Geological Features of the Mackenzie Delta Region, is the start of a new series.

AVAILABILITY/RESTRICTIONS: The station is open to qualified researchers with a research licence for the N.W.T.

NAME: Iqaluit Research Centre

LOCATION: Iqaluit, Baffin Island, N.W.T.. (On the shores of Frobisher Bay; 64°00'N/69°00'W North of Hudson Strait, west of Greenland).

AFFILIATION: Science Institute of the Northwest Territories

CONTACT:
Bob Longworth, Research Centre Manager
Iqaluit Research Centre
Science Institute of the Northwest Territories
P.O. Box 1198
Iqaluit, Northwest Territories
Canada X0A 0H0
Tel: (819) 979-6734; dormitory: 979-4660
Fax: (819) 979-4681

MANDATE: To provide support facilities for the purpose of conducting scientific research in the Eastern Arctic; to provide technical and logistic support of long-term data collection and research with external and local scientists; to keep the public informed on northern scientific research; and to make northern science and research responsive to the needs and concerns of northerners.

STATION INFORMATION: The Centre provides accommoation for up to eighteen researchers, with cooking and sleeping facilities. In the winter, indoor sleeping capacity is approximately eight. There are six small laboratories, a workshop, and cold storage space. Available for use are all terrain vehicles; snowmobiles; boat; assorted field equiment; office equipment; fume hoods; and a convection oven. Field HF radios with radio support are available. A reading room has been started. The Centre is staffed by two permanent employees. There are currently no charges for use of the facility, which is open daily throughout the year. Iqaluit, a town of 3000, is serviced by an international airport with a 2.8 km paved airstrip. Jet service is available from Montreal, Ottawa and Yellowknife; commercial services connect to all other Eastern Arctic communities.

HABITAT/ENVIRONMENTAL SETTING: Arctic coastal tundra and arctic marine.

RECENT PROJECTS/CURRENT RESEARCH: Paleoenvironmental studies, Inuktitut linguistics, arctic marine ecology, contaminants and waste management, seal movements, legal systems, ornithology, archaeology, climatic monitoring, lemmings, educational and anthropological work.

AVAILABLE/RESTRICTIONS: Available to qualified researchers holding a Northwest Territories Scientists' License.

NAME: The Kluane Lake Research Station

LOCATION: Mile 1054 Alaska Highway
Yukon Territory
61°05'N/138°40'W

AFFILIATION: The Arctic Institute of North America
University of Calgary

CONTACT: Mr. G.J. Thompson
Arctic Institute of North America
University of Calgary, 11th Floor
Library Tower
2500 University Drive N.W.
Calgary, Alberta T2N 1N4 (403) 220-7515

MANDATE: To provide scientists and researchers with a permanent base from which to conduct "long term, detailed, integrated observations in several scientific fields".

STATION INFORMATION: The station, open year-round, has eight sleeping cabins providing accommodation for thirty, kitchen/mess hall, washhouse, conference room/library, laboratory building with limited equipment, offices, freezers, refrigerators, office equipment, radio, telephone, diesel generator (voltage regulator suggested for sensitive equipment) balances, cameras, survey equipment, tools, vehicles. Facilities are very restricted during winter. A turbo-charged Helio-Courier STOL aircraft available for rental is on location equipped with ski-wheels, camera port, and extrnal antenna brackets. Vehicle and boat usage are available on daily, weekly, and monthly basis. User fees for researchers is $24 day/person (room and board). Non-research visitors are charged a flat $50/day. A camper user charge is $5.00 per day.

HABITAT/ENVIRONMENTAL SETTING: Situated at the foot of the St. Elias Mountains, with varied geophysical environment; boreal forest, sub-alpine, alpine tundra grassland relicts, giving access to varied biotic zones and habitats.

PUBLICATIONS: Approximately 400 research papers and theses have completed with the assistance of the Kluane Lake Research Station.

RECENT PROJECTS/CURRENT RESEARCH: Glaciological, geophysical, meteorological, geological and biological aspects of the St. Elias Range. Current topics of research include small - mammal population studies, biology, glaciology, climatic change, geomorphology, limnology, entomology, ornithology, remote sensing, hydrology, archaeology, and ground water icing on the Alaska Highway.

AVAILABILITY/RESTRICTIONS: Private, government and university researchers are equally welcome contingent only upon availability of space. Research licence required.

NAME: Kuujjuaq Research Centre

LOCATION: Kuujjuaq, Québec
58°10'N/68°20'W

AFFILIATION: Makivik Corporation (formerly the Northern Québec Inuit Association)

CONTACT: Stan Olpinski, Alix Gordon and Chesley Mesher
c/o Kuujjuaq Research Centre
P.O. Box 179
Kuujjuaq, Québec J0M 1C0
819 964 2951

MANDATE: (1) Provide a wildlife research career opportunity to Northern Québec Inuit. (2) Carry research projects which are relevant to the management of wildlife reserves. (3) Provide information to Northern Québec Inuit communities on wildlife research and management issues.

STATION INFORMATION: The Research Facilities are located in a building which houses other offices and a service station. The centre has eight rooms: four of the rooms are offices, one is a small library, one is a small computer room, one is a wet lab, and one room is used for storage. ("We also have an office with the Makivik Corporation's branch in Lachine, Quebec".)

A full-time staff of three biologists, three technicians, and a secretary is employed. During the summer students are hired for field work on a per project basis.

Equipment at the center includes: three dissecting microscopes, digital and three-beam scales, a drying oven, fish sampling equipment, office equipment, three Macintosh computers, a dot-matrix printer, a laser writer/printer, assorted camping equipment, a canoe and outboard, and three portable HF radios.

HABITAT/ENVIRONMENTAL SETTING: Boreal/tundra - Centre is situated at the edge of the tree line where arctic and sub-arctic environments meet.

PUBLICATIONS: Numerous technical reports and publications.

RECENT PROJECTS/CURRENT RESEARCH: Annual monitoring of Inuit fishery on the Koksoak River. Sampling of marine mammals from Northern Quebec communities for PCB contamination, monitoring of Inuit commercial char fisheries in the George River area (in cooperation with MLCP), eider duck studies, Banding of Canada' Geese (in cooperation with US Fish and Game), Feasibility for arctic char aquaculture, and stream enhancement projects on systems used by arctic char. Work on geomorphology, entromology, plant populations continues.

AVAILABILITY/RESTRICTIONS: The Centre will be happy to provide information and guidance to outside researchers. However, as our workspace is restricted and our own projects consume much of our time, we can only offer limited support. Please note that the Kuujjuaq Research Station is NOW CLOSED.

NAME: Kuujjuaq Research Station

LOCATION: Kuujjuaq, Québec
58°10'N/68°20'W

AFFILIATION: Centre d'études nordiques, Université Laval

CONTACT: Centre d'études nordiques
Université Laval
Cité Universitarie
Québec G1K 7P4
(418) 656-3340

MANDATE: To give support to academic research teams and help students in M. Sc. and Ph.D. preparation in a nordic environment.

STATION INFORMATION: There was a single building and station with a capacity for fifteen persons.

HABITAT/ENVIRONMENTAL SETTING: Forest-tundra in the Hudson Bay lowlands.

PUBLICATIONS: Numerous papers, reports and theses.

RECENT PROJECTS/CURRENT RESEARCH: Geomorphology, dendrochronology quaternary paleoecology, entomology, dynamic plant populations.

AVAILABILITY/RESTRICTIONS: This station is now closed please refer to Kuujjuaq Research Centre. It is listed here only as an entice to publications and information generated from it.

NAME: Kuujjuarapik Research Station

LOCATION: Poste-de-la Baleine, Québec (on Hudson Bay)
55°20'N/77°44'W

AFFILIATION: Centre d'études nordiques, Université Laval

CONTACT: Francois Quinty
Centre d'études nordiques
Université Laval
Cité Universitaire
Québec G1K 7P4
418 656-3340

MANDATE: To give support to academic research teams and help students in M.Sc. and Ph.D. programs in a polar environment.

STATION INFORMATION: The station consists of five buildings, which house three laboratories, kitchen/dining room, laundry facilities and accommodations for up to thirty people. The laboratory facilities consist of work space, running water, freezer, plant dryer, microscopes and a 21.5m x 8m greenhouse. There is a garage for the storage of mechanical equipment and minor repairs and a building for the storage of camping gear. Ground transport and equipment loan is available. Present costs are: Academic users -- $70/day and $90/day ; Non-academic users -- $70/day and $110/day. The station is open year round and is staffed by one permanent and one seasonal employee.

HABITAT/ENVIRONMENTAL SETTING: Forest-tundra region in the Hudson Bay lowlands.

PUBLICATIONS: Fifty four issues of Noricana have been published by the Research Center, two are in press and issue no. 57 was in preparation in 1991. Over twenty-five theses have been completed during the last three years.

RECENT PROJECTS/CURRENT RESEARCH: Vascular plants of northern Québec, phytogeography, littoral geomorphology and the glaciation of eastern Hudson Bay, Quatenary paleoecology, dendrochronology, permafrost studies, limnology coastal geomorphology.

AVAILABILITY/RESTRICTIONS: Open to all qualified researchers.

NAME: Labrador Institute of Northern Studies

LOCATION: Happy Valley - Goose Bay, Labrador
53°15'N/60°20'W

AFFILIATION: Memorial University of Newfoundland

CONTACT: Carol Brice-Bennett, Director
Labrador Institute of Northern Studies
P.O. Box 490, Station B
Happy Valley, Labrador A0P 1E0
Phone (709) 896 2978
FAX (709) 896 2970

MANDATE: To stimulate, co-ordinate and support research designed to promote the well being of people in Labrador and to enhance knowledge of Labrador; to foster education and training in Labrador; to provide information on various regional issues to interested groups and agencies; to develop a better understanding and appreciation of conditions in Labrador and in other northern regions.

STATION INFORMATION: The Institute has an Information Centre, conference room and facilities for seminars, workshops and teaching. The collection in the Information Centre focusses on current research conducted in Labrador and other northern territories; material not available locally is obtained through inter-library loans. The Institute also contains audio and video equipment for the production or viewing of programs, a licensed radio station for maintaining contact with field parties and links with Memorial University teleconference and educational TV systems.

HABITAT/ENVIRONMENTAL SETTING: Continental boreal forest at the confluence of freshwater and semi-saline environments in Lake Melville.

PUBLICATIONS: Numerous reports and papers.

RECENT PROJECTS/CURRENT RSEARCH: Resource harvesting and land use activities, education projects on nutrition and cooperative enterprises, special conference reports, one, for example, on strategies for dealing with development; guide to archival sources for Labrador material, workshops and training sessions in communications and various education topics. A new environmental research centre is proposed (report available).

AVAILABILITY/RESTRICTIONS: Open for research, teaching and conferences year round; Information Centre available for public use.

NAME: McGill Axel Heiberg Island Station

LOCATION: Expedition Fiord
Western Axel Heiberg Island, N.W.T.
79°26'N/90°46'W

AFFILIATION: McGill University

CONTACT: Dr. Wayne Pollard, Field Stations Director
Department of Geography
McGill University
805 Sherbrooke St. W.
Montréal, Québec H3A 2K6
(514) 398 4111

MANDATE: Multi-disciplinary research with an emphasis on glacial studies.

STATION INFORMATION: Located near the head of Expedition Fjord on the west coast of Axel Heiberg Island, 8 km, from the sea at 176m. above sea level. Two large huts and one large supply tent form the bulk of the station. One hut having two rooms functions as a work/sleeping hut. One room contains bunks for 8 people while the second room is a well-equipped work room with radio and laboratory equipment. The second hut is a fully equipped kitchen and food store. A "weather station" located near th radio antenna is equipped with a variety of Stevenson screens and gauge stands. The station is served by a rough landing strip capable of handling a Twin Otter. Users are responsible for their own food, equipment, etc.

HABITAT/ENVIRONMENTAL SETTING: High Arctic polar desert

PUBLICATIONS: Axel Heiberg Island Research Reports, McGill University, and numerous journal articles.

RECENT PROJECTS/CURRENT RESEARCH: Mass balance of glaciers with 30 year records available, studies of Colour Lake. Opportunities for wildlife (flora and fauna) and archaeological studies.

AVAILABILITY/RESTRICTIONS: Available May to August only to qualified researchers, and subject to limitations of space.

NAME: McGill Subarctic Research Station

LOCATION: Schefferville, Québec - on the Quebec/Labrador border
54°48'N/66°49'W

AFFILIATION: McGill University

CONTACT: Dr. Wayne Pollard, Director
Department of Geography
McGill University
Montréal, Québec H3A 1B9
(514) 398 4111

or

Doug Barr
P.O. Box 790
Schefferville, Québec G0G 2T0
(418) 585 2489

MANDATE: To provide a base and laboratory facilities for studies of the eastern Canadian subarctic.

STATION INFORMATION: The station consists of two residential facilities with accommodation for up to thirty-six, two laboratories (wet and dry with bench space, ovens, a fume hood, balances, distilled water, etc.). A micro-computer, workshop, dark room, library, storage, two trailers and limited camping equipment. Trucks, boats, all terrain cycles and snowmobiles are available for hire. The Station is open year-round. A road network allows intensive study of over 2500 km^2. Charge schedule available from the Station.

HABITAT/ENVIRONMENTAL SETTING: At the intersection of the Canadian Shield and Labrador Trough, in the ecotone of arctic tundra, subarctic woodland and spruce forests. There are numerous lakes with variable chemical composition.

PUBLICATIONS: Numerous papers and reports, including McGill Subarctic Research series.

RECENT PROJECTS/CURRENT RESEARCH: Process-oriented studies emphasizing climatology, hydrology, permafrost, ecology, limnology, snow and ice. Undergraduate field courses are offered by both McGill and Trent University.

AVAILABILITY/RESTRICTIONS: Open to all qualified researchers, and subject to space limitations.

NAME: Mildred Lake Research Facility

LOCATION: 64 km north of Fort McMurray, Alberta
111°35'N/57°04'W

AFFILIATION: Alberta Environment, Research Management Division

CONTACT: Dr. C.G. Van Teeling, Project Officer, Pesticide Management Branch, Alberta Environment, Research Management Division, 5th Floor, Oxbridge Place, 9820-106 Street, Edmonton, Alberta T5K 2J6
(403) 427 5855
FAX (403) 422 5120

MANDATE: The Mildred Lake Research Facility was a facility set up by the Alberta Oil Sands Environmental Research Programme (AOSERP). Research was designed to develop methods for soil restoration; identify the best plants for self-sustaining vegetation; and lead to a balance between resource development, environmental protection and the quality of life.

STATION INFORMATION: The facility was open year round. The main camp comprises dining and living areas as well as sleeping quarters, showers and washrooms. There is an eight person and twelve person sleeper; a wet/dry laboratory in a double wide trailer; a meteorological trailer; two Quonset huts for storage; a helipad and chemical stage facilities. The facility in total can sleep up to 80 people. Both 110 and 220 volt (single phase) outlets were available. Helicopter and fixed-wing service as well as vehicle rentals are available in Fort McMurray.

HABITAT/ENVIRONMENTAL SETTING: Boreal forest region

PUBLICATIONS: Approximately 200 reports dealing with research in the AOSERP ara have been published. A number of student theses and refereed publications have arisen from work in the AOSERP area.

RECENT PROJECTS/CURRENT RESEARCH: Numerous multidisciplinary projects and rsearch have been carried out at the Mildred Lake Facility.

AVAILABILITY/RESTRICTIONS: CLOSED IN 1986. It is listed here only as an entree to publications and information generated from it.

NAME: Mould Bay Aerological Station

LOCATION: Prince Patrict Island, N.W.T.
76°14'N/119°20'W

AFFILIATION: Atmospheric Environment Service, Environment Canada

CONTACT: D.L. Stossel, Senior Advisor, Polar Affairs,
AES Central Region, 266 Graham Avenue, Room 1000
10th floor
Winnipeg, Manitoba, R3C 3V4
(204) 983 4933
FAX (204) 983 0109

MANDATE: To provide 24-hour information on revailing atmospheric weather conditions.

STATION INFORMATION: This is an upper air operations installation with staff quarters. There is limited accommodation and work space, an ancillary building for heavy equipment, light and power, and available (though restricted) water. There is a landing strip suitable for aircraft up to Hercules. There are ten permanent staff members. The following fee scale for usage was set in 91/92.

		Canadian Government	Non-Government
1.	Meals - American Plan - Daily	55.00	90.00
	(Prorated for day of arrival/departure)		
	- Breakfast	11.00	18.00
	- Lunch	19.00	32.00
	- Dinner	25.00	40.00
	- Box Lunch	15.00	15.00
2.	Accommodation:		
	- All Transients (per day/per bed)	60.00	110.00
	- Transient Bldg #16 (Full Barracks/per day)	550.00	1,000.00

3. Prices are available for vehicles, hydro, aviation, gas, local labour and trasportation from other locations. Goods and Services Tax is added for all non-government users.

It should be noted that AES, also has stations at Resolute, Hall Beach, Alert, Baker Lake and Coral Harbour that while not being able to accommodate researchers, station personnel will act as collectors of information should they possess the capabilities to do so.

HABITAT/ENVIRONMENTAL SETTING: High Arctic tundra

PUBLICATIONS:

RECENT PROJECTS/CURRENT RESEARCH: Sea ice observations and research, Arctic snow characteristics, atmospheric refraction, solar radiation permafrost studies.

AVAILABILITY/RESTRICTIONS: Open to researchers, but advanced arrangements are necessary, and a working agreement must be drawn up with AER commencing with an official visitor permit. Station is run 24 hours a day, year round.

NAME: Nauyuk Lake Field Station

LOCATION: Kent Peninsula, N.W.T.
68°20'N/107°41'W

AFFILIATION: Department of Fisheries and Oceans

CONTACT: E.C. Gyselman
Freshwater Institute
Department of Oceans and Fisheries
501 University Cr.
Winnipeg, Manitoba R3T 2N6
(204) 949-5285

MANDATE: Biological studies pertaining to the Arctic char fish

STATION INFORMATION: This facility is a small, field camp consisting of a 5 x 6m single room hut which can accommodate up to twelve people. There are two parcolls, a boat and cooking facilities. The facility is open periodically from July through to August and staffed by three to four seasonal employees.

HABITAT/ENVIRONMENTAL SETTING: High Arctic tundra

PUBLICATIONS: Many

RECENT PROJECTS/CURRENT RESEARCH: Arctic charr populations and migrations.

AVAILABILITY/RESTRICTIONS: The station is available to outside researchers.

NAME: Nunguvik Arctic Centennial Station

LOCATION: Navy Board Inlet, Bylot Island, N.W.T.
72°02'N/80°35'W

AFFILIATION: Private - Arctic Research Establishment
(A.R.E.)

CONTACT: Fr. G.M. Rousseliere
Catholic Mission
c/o Arctic Research Establishment
Pond Inlet, N.W.T. X0A 0S0
(819) 899-8833

MANDATE: To support ongoing archaeology excavations.

STATION INFORMATION: The station consists of a fully insulated cottage which is served by a landing strip 20m x 270m. Cost is approximately $31/day. The station is open in the summer months only. Access is via sled, boat, helicopter and twin otter.

HABITAT/ENVIRONMENTAL SETTING: Arctic tundra and coastal marine habitat

PUBLICATIONS: A.R.E. has produced numerous papers and reports.

RECENT PROJECTS/CURRENT RESEARCH: Archeological excavations.

AVAILABILITY/RESTRICTIONS: Open by prior arrangement to outside researchers.

NAME: Pearce Point Field Station

LOCATION: 80 kilometers northeast of Paulatuk
Amundsen Gulf, N.W.T.
69°49'N/122°41'W

AFFILIATION: Science Institute of the Northwest Territories

CONTACT: Manager, Inuvik Research Centre
Box 1430, Inuvik, N.W.T. X0E 0T0
(403) 979-3838
FAX (403) 979-3570

MANDATE: To provide support facilities for the conduct of scientific field research in the Amundsen Gulf region of the N.W.T.

STATION INFORMATION: The facility is open only during the summer months and can accommodate twelve to fifteen people. Logistical items such as laboratory equipment may be borrowed from the Research Centre in Inuvik. Equipment on site includes a boat and motor, field gear and tents, a radio, two 110 volt generators. The facility is serviced by a good natural harbour and a gravel landing strip (60m x 800m) suitable for a Twin Otter.

HABITAT/ENVIRONMENTAL SETTING: Arctic tundra; several river and estuary systems, an extensive tidal flat, and numerous lakes.

PUBLICATIONS:

RECENT PROJECTS/CURRENT RESEARCH: Biological inventory of the immediate area carried out in 1985 by York University. Surficial and bedrock geology completed by Geological Survey of Canada. Preliminary fisheries rsearch potential assessed by Department of Fisheries and Oceans. Long-term lemming ecology study by U.B.C. Zoology Department.

AVAILABILITY/RESTRICTIONS: The station is open to researchers in possession of an N.W.T. Scientist's Licence.

NAME: Polar Bear Pass High Arctic Research Station

LOCATION: Polar Bear Pass
Bathurst Island, N.W.T.
75°34'N/98°25'W

AFFILIATION: Canadian Museum of Nature

CONTACT: Dr. David R. Gray
Vetebrate Ethology
Canadian Museum of Nature,
P.O. Box 3443, Stn. D.
Ottawa, Ontario K1P 6P4
(613) 954-2663

MANDATE: To undertake detailed, long-term studies of Arctic animals and the behavioural adaptations that allow them to survive in High Arctic environments.

STATION INFORMATION: There is one permanent building 7.5 x 7.5m housing two small laboratories, radio and weather recording equipment and an observation tower. There is accommodation for four. Two parcoll huts provide additional sleeping accommodation, cooking and dining facilities and storage. Food storage is provided by a fiber glass igloo and a permafrost freezer provides safe storage for frozen food. The station is generally open April to August and sometimes during early or late winter. The cost to use the station is negotiable. This station is within the Polar Bear Pass National Wildlife Area.

HABITAT/ENVIRONMENTAL SETTING: Access to all High Arctic habitats except marine and montane; ridge, humic ridge, hummock, seepage slope, polar desert, mesic meadow, hydric meadow, willow-lichen meadow and unvegetated, dry stony uplands.

PUBLICATIONS: Theses - 5 and over 100 reports, papers and films.

RECENT PROJECTS/CURRENT RESEARCH: The scope of research is varied but specific emphasis is on behavioural adaptations of birds and mammals to their High Arctic environment.

AVAILABILITY/RESTRICTIONS: Researchers and visitors must comply with regulations of the Canadian Wildlife Act and the National Wildlife Area. Consultation with the Canadian Museum of Nature is also required. Any operations causing terrain damage is forbidden.

NAME: Queen's University, Tundra Biological Station

LOCATION: La Pérouse Bay, Hudson Bay, Manitoba
50 km east Churchill, Manitoba
58°75'N/93°40'N

AFFILIATION: Queen's University, Department of Biology

CONTACT: Dr. Fred Cooke
Department of Biology
Queen's University
Kingston, Ontario K7L 3N6
(613) 545-6129
FAX (613) 545-6617

MANDATE: To conduct multidisciplinary research in an area of minimal disturbance by man and to build up a long-term data base on community biology of the sub-Arctic specifically on interactions between flora and fauna.

STATION INFORMATION: The station has five buildings and one trailer with a capacity for twenty people. There is a complete kitchen powered by propane. There is no electricity. A propane heated shower is also available. There is wet and dry laboratory space available however all scientific equipment must be brought in by those requiring it. Vehicles present include two A.T.V.'s and one Argo. There are two remote observation towers. Present cost to use the station is $250/week food and accommodation. The station is available April through September.

HABITAT/ENVIRONMENTAL SETTING: Hudson Bay Lowland; open marsh tundra, salt marsh, willow scrub, extensive streams and ponds.

PUBLICATIONS: There are in excess of 100 papers associated with this facility.

RECENT PROJECTS/CURRENT RESEARCH: Population dynamics of lesser Snow Geese and Eider Ducks, impact of snow geese on vegetation. Nitrogen budgets in salt marsh vegetation.

AVAILABILITY/RESTRICTIONS: Open to qualified rsearchers by special arrangement and as long as the researchers interests lie within the interests of the station.

NAME: Resolute Base

LOCATION: Resolute Bay, Cornwallis Island, N.W.T.
74°41'N/94°54'W

AFFILIATION: Department of Energy, Mines and Resources, Polar Continental Shelf Project (PCSP)

CONTACT: Bonni Hrycyk, Acting Director
Polar Continental Shelf Project
Department of Energy, Mines and Resources
344 Wellington Street, 6th Floor
Ottawa, Ontario K1A 0E4
(613) 990-1505

MANDATE: To provide logistics support to scientific research programs in an Arctic environment.

BASE INFORMATION: Facilities include accommodation for up to 35. There is a dining room, limited laboratory and storage space, radio, expediting and general logistics support and electrical power. The facility is staffed by two permanent and seven seasonal employees and is generally open March to late September.

HABITAT/ENVIRONMENTAL SETTING: High Arctic polar desert.

PUBLICATIONS: More than 1300 reports have been generated by scientists who have received support at PCSP Resolute or Tuktoyaktuk; bibliographies are available.

RECENT PROJECTS/CURRENT RESEARCH: Various, from archaeology to botany, geology, climatology, oceanography and environmental.

AVAILABILITY/RESTRICTIONS: Open to university and government researchers, subject to approval by departmental and peer review and approval. Support is governed by competitive application to Polar Continental Shelf Project and logistics feasibility.

NAME: Resolute Marine Laboratory

LOCATION: South Camp, Resolute Bay
Cornwallis Island, N.W.T.
74°42'N/94°50'W

AFFILIATION: Department of Fisheries and Oceans (D.F.O.)

CONTACT: Dr. H. Welch
Freshwater Institute
Department of Fisheries and Oceans
501 University Cr.
Winnipeg, Manitoba R3T 2N6
(204) 949-5132

MANDATE: High Arctic marine food chain studies.

STATION INFORMATION: Facilities include accommodation, kitchen and living space for twelve D.F.O. personnel only. Facilities available to outside researchers includes a dry laboratory with basic laboratory equipment and 6 x 25m marine laboratory, with seawater pumped into it. Transportation around the station includes trucks, snowmobiles, a Flex Trac, and vessels up to 14m in size. Dive support (dry suit S.C.U.B.A.) is available. The station is open generally March through September. Logistical support by D.F.O. may be possible should research be of direct interst to D.F.O., however all logistical support should be obtained from the Polar Continental Shelf Project.

HABITAT/ENVIRONMENTAL SETTING: High Arctic desert.

PUBLICATIONS: Publications list available.

RECENT PROJECTS/CURRENT RESEARCH: Collaborative work on all aspects of marine foodchain production.

AVAILABILITY/RESTRICTIONS: Although space is limited, qualified guest researchers will be accommodated subject to approval and space availability.

NAME: Saqvaqjuac Field Station

LOCATION: 40 km NNW Chesterfield Inlet
NW coast Hudson Bay, Manitoba
63°39'N/90°39'W

AFFILIATION: Department of Fisheries and Oceans

CONTACT: Dr. H. Welch
Freshwater Institute
Department of Fisheries and Oceans
501 University Cres.
Winnipeg, Manitoba R3T 2N6
(204) 949 5132

MANDATE: Arctic marine and freshwater research

STATION INFORMATION: The station is open July and August and there is space for twenty people, including living accommodation for twelve. Facilities include one consolidated research laboratory, a kitchen, a work shop, and an accommodation building totalling 371m^2. The facilities are heated and insulated. There is a generator shed with two diesel generators. There are research vessels up to 10.5m. Access to the station is by charter airplane (skis/wheels/floats) or boat in the summer, snowmobile by winter from Chesterfield Inlet. Costs to use the facilities are $75/day accommodation and meals.

HABITAT/ENVIRONMENTAL SETTING: The station provides access to an Arctic fjord system for the study of cold marine environments.

PUBLICATIONS: list available.

RECENT PROJECTS/CURRENT RESEARCH: Estuarine and freshwater research in geochemistry, radiochemistry and biology.

AVAILABILITY/RESTRICTIONS: Although space is limited, qualified guest researchers can be accommodated in tents or parcolls.

NAME: Sarcpa Lake Field Station
(150 km southwest of Igloolik)

LOCATION: Melville Peninsula, N.W.T.
68°32'N/83°20'W

AFFILIATION: Science Institute of the Northwest Territories

CONTACT: Manager
Igloolik Research Centre
Igloolik, N.W.T. X0A 0L0
(819) 934-8836
FAX (819) 934 8792

MANDATE: To provide support facilities for the conduct of scientific field research in the Melville Peninsula area of the N.W.T.

STATION INFORMATION: The station is only open during the summer months (late May to mid August) and accommodations are available for approximately twenty people. There is a fully equipped kitchen with propane cooking facilities. Communication with the Iloolik Research Centre is available via HF radio on a twice-daily basis. There is a basic selection of scientific equipment available as well as assorted workshop tools and camping equipment. Vehicles available at the station include A.T.V.'s, snowmobiles, boat, and garden tractor with trailer. Transportation to Sarcpa from Igloolik or Hall beach is via chartred aircraft based in Hall Beach.

HABITAT/ENVIRONMENTAL SETTING: Arctic tundra

PUBLICATIONS: Numerous reports by visiting researchers.

RECENT PROJECTS/CURRENT RESEARCH: Arctic ecology field course behavioural studies of Arctic birds, caribou studies.

AVAILABILITY/RESTRICTIONS: The station is open to researchers in possession of an N.W.T. Scientist's Licence.

NAME: Southern Indian Lake Research Station

LOCATION: 3 km north of Southern Indian Lake
Manitoba
56°47'N/98°55'W

AFFILIATION: Department of Fisheries and Oceans

CONTACT: Dr. R.A. Bodaly, Research Scientist
Aquatic Ecosystems
Freshwater Institute
Department of Fisheries and Oceans
501 University Cres.
Winnipeg, Manitoba R3T 2N6
(204) 949-5000

MANDATE: To investigate the effects of impoundment and river diversion.

STATION INFORMATION: The station has two duplex residences, one kitchen residence, one laboratory, one workshop, a storage shed and a fleet of small boats. The station, which was open year round, has accommodation for up to twenty five. The station was equippped with electrical power, and was fully serviced from June through September.

HABITAT/ENVIRONMENTAL SETTING: On the Canadian Shield in the sub-Arctic boreal forest biome, on an impounded lake with eroding permafrost affected shorelines.

PUBLICATIONS: In excess of 35 papers and reports

RECENT PROJECTS/CURRENT RESEARCH: All pertain to the effects of impoundment and river diversion on aquatic ecosystems.

AVAILABILITY/RESTRICTIONS: THE STATION WAS CLOSED IN 1989. It is listed here only as an entrée to publication and information generated from it.

NAME: Tuktoyaktuk Base

LOCATION: Tuktoyaktuk, N.W.T.
69°27'N/133°02'W

AFFILIATION: Department of Energy, Mines and Resources, Polar Continental Shelf Project (PCSP)

CONTACT: Bonni Hrycyk, Acting Director
Polar Continental Shelf Project
344 Wellington Street, 6th Floor
Ottawa, Ontario K1A 0E4
(613) 990-1505

MANDATE: To provide logistics support to scientific research programs in an Arctic environment.

BASE INFORMATION: The base provides accommodation for up to 70 people. There are garage facilities and kitchen facilities, storage, radio, expediting, general logistics and electrical power. The base is staffed by one permanent and three seasonal employees and is open March through September.

HABITAT/ENVIRONMENTAL SETTING: Mackenzie Delta (transition zone between marine and freshwater environments).

PUBLICATIONS: More than 1300 publications have been generated by science researchers who have received support from PCSP Tuktoyaktuk or Resolute; no breakdown is given. Bibliographies are available.

RECENT PROJECTS/CURRENT RESEARCH: Multidisciplinary, from archaeology to zoology.

AVAILABILITY/RESTRICTIONS: Open to outside researchers, subject to peer review and logistics feasibility. Safety regulations must be followed and all necessary licenses and permits must be acquired. Support governed by competitive application to PCSP.

NAME: Tuktoyaktuk Field Station

LOCATION: Tuktoyaktuk, N.W.T.
69°27'N/133°02'W

AFFILIATION: Department of Fisheries and Oceans

CONTACT: J.N. Stein
Resource Impact Division
Arctic Resource Assessment Section
Department of Fisheries and Oceans
Freshwater Institute
501 University Cres.
Winnipeg, Manitoba R3T 2N6
(204) 949-5164

MANDATE: To provide a logitic base of operations in order to serve fisheries related research projects operating in the southern Beaufort Sea area.

STATION INFORMATION: The field station is located next to the Polar Continental Shelf Project Station, and is built on DOT property only a few hundred metres from the Tuktoyaktuk Air Terminal. The station consists of two living trailers with accommodation for at least ten people, a stove, refrigerator, and freezer (with seasonal plumbing), one small laboratory trailer and a warehouse/laboratory facility with both heated and unheatd storage, a workshop, plus an 8.5 x 3.7 m laboratory fish sampling area. The station maintains various equipment including a truck, rubber boats including a 5.5m Zodiac, and several 4.5 to 5 m alumninum boats, 3 snowmobiles, a tracked vehicle and a sampling shed for winter sampling trips. Additional equipment and support is available through PCSP Tuktoyaktuk. The station is open year round but is chiefly used March to November. There are no costs at present. There is one seasonal manager.

HABITAT/ENVIRONMENTAL SETTING: Mackenzie Delta, transition zone between marine and freshwater environments).

PUBLICATIONS: Approximately 10 reports.

RECENT PROJECTS/CURRENT RESEARCH: Beaufort Sea coastal study, Tuktoyaktuk Harbour study, Tuktoyaktuk Lakes study, Tuc Harbour benthics, Canyanek system, Kujuktuk Bay, Creek and Lakes studies.

AVAILABILITY/RESTRICTIONS: At present the station is open only to government researchers, however there is some potential for graduate student work.

OTHER FACILITIES - CABINS AND SHELTERS

The Canadian Wildlife Service (CWS) of Environment Canada and the Government of the N.W.T. own or control a number of remote facilities north of the 55th parallel. Interested parties are encouraged to contact the various people in charge of the following facilities. Contacts are listed at the end of this section.

1. **NAME:** Lookout Point
   LOCATION: North side of the Thelon River at the mouth of the Finnie River, N.W.T. 64°09'N/102°32'W
   FACILITIES: A 4.3 x 6 m cabin in relatively poor condition which can accommodate up to two people.
   CONTACT: Kevin McCormack, CWS, Yellowknife, see below.

2. **NAME:** Aberdeen Lake
   LOCATION: Northwest corner of Aberdeen Lake, 200 km west of Baker Lake, N.W.T. 64°30'N/99°00'W
   FACILITIES: A cabin 2.5 x 3.6m with one bedroom (sleeps four) and an oil stove in relatively poor condition.
   CONTACT: Kevin McCormack, CWS, Yellowknife, see below

3. **NAME:** Old Crow Flats
   LOCATION: Southeast corner of Shaefer Lake, Yukon Territory 68°05'N/139°45'W
   FACILITIES: A cabin 3 x 4.3m with one bedroom which sleeps four and a woodstove. (Unconfirmed)
   CONTACT: D. Russell, CWS, Whitehorse, YT

4. **NAME:** Resolute Bay
   LOCATION: South tip of Cornwallis Island, N.W.T. 74°15'N/94°50'W
   FACILITIES: A field laboratory consisting of an un-serviced 4.6 x 9m cabin which can sleep four and o[illegible] 4 x 4m parcoll tent. The 1991 status of this facility could not be confirmed. Resolute Base and Resolute Marine Laboratory are available in this area.
   CONTACT: Kevin McCormack, CWS, Yellowknife, see below.

5. **NAME:** Keele River
   LOCATION: On Keele River, N.W.T., 50 km down stream from the Twitya River confluence. 64°25'N/124°48'W
   FACILITIES: A log cabin in good condition, 6 x 6 m which sleeps eight. There is electricity and a wood stove. The 1991 status of this facility could not be confirmed, it has been turned over to the Government of the N.W.T.
   CONTACT: Kevin McCormack, CWS, Yellowknife, see below.

6. **NAME:** Anderson River
LOCATION: 69°43'N/129°00'W; right banks, upstream from mouth.
FACILITIES: A 7.5 X 11m house with two bedrooms which sleeps eight, oil heaters and some equipment. There are also two storage sheds.
CONTACT: Kevin McCormack, CWS, Yellowknife, see below

7. **NAME:** Cape Dorset
LOCATION: Fox Peninsula, Baffin Island, N.W.T.
64°14'N/76°32'W
FACILITIES: A 5.0 X 8.5m cabin which sleeps four.
(Officially closed, 1991)
CONTACT: Kevin McCormack, CWS, Yellowknife, see below

8. **NAME:** Jackfish Creek
LOCATION: Jackfish Creek, 65 km south of Inuvik, N.W.T. approx. 67°80'N/134°00'W
FACILITIES: One cabin and one storage shed (Unconfirmed)
CONTACT: Kevin McCormack, CWS, Yellowknife, see below.

9. **NAME:** Yellowknife
LOCATION: Yellowknife, N.W.T., in town
62°30'N/114°30'W
FACILITIES: Two 4.3 x 21m mobile home with furniture, one 3.7 x 17.2m trailer. (Confirmed)
CONTACT: Kevin McCormack, CWS, Yellowknife, see below.

10. **NAME:** Sachs Harbour
LOCATION: Southeast Banks Island on Thesiger Bay, N.W.T.
71°59'N/125°14'W
FACILITIES: A 3 X 5.5m trailer; 1 bedroom (sleeps four); refrigerator, stove, winterized. Not available.
CONTACT: Ian Stirling, CWS, Edmonton, see below

11. **NAME:** Perry River Delta
LOCATION: East side of Perry River Delta across from Winter Island, N.W.T.
67°48'N/102°33'W
FACILITIES: A partially furnished 14' x 16' cabin (1964) which can sleep up to eight people, with a 12' x 24' addition (1975).
CONTACT: Dick Kerbes, CWS, Saskatoon, see below

12. **NAME:** McConnell River Delta
LOCATION: South branch mouth of McConnell River, N.W.T. 60°49'N/94°25'W.
FACILITIES: 24' x 32' cabin (1967) with 12' x 16' lab. (1969) and 12' x 16' backhouse (1970).
CONTACT: Dick Kerbes, DWS, Saskatoon, see below.

13. **NAME:** Old Crow
LOCATION: Old Crow, Yukon Territory
67°50'N/134°30'W
FACILITIES: Floors and tent frames for eight 2.5 X 3.7m tents.
CONTACT: D. Russell, CWS, Whitehorse, YT.

14. **NAME:** Karrack Lake
LOCATION: Karrack Lake, N.W.T., 67°13'N; 100°15'W
FACILITIES: 20' x 20' insulated cabin.
CONTACT: Ray Alisauskas, CWS, Saskatoon, see below

CONTACTS

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